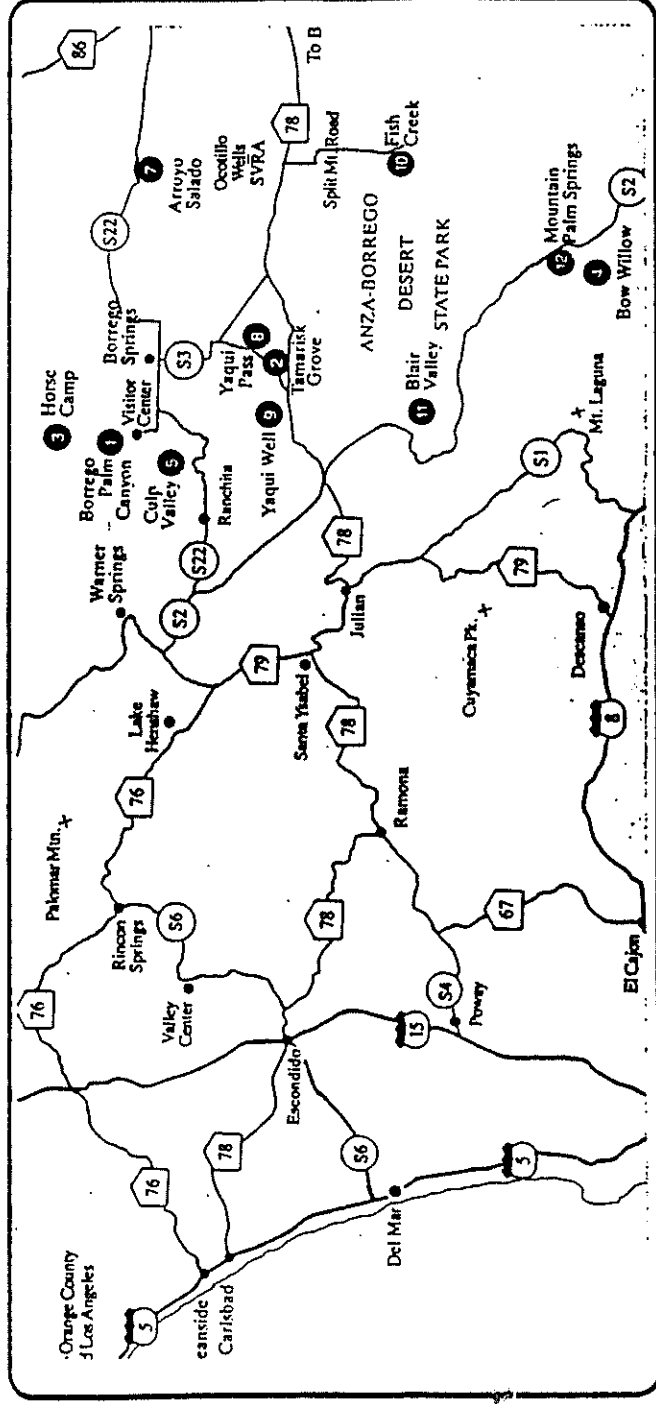
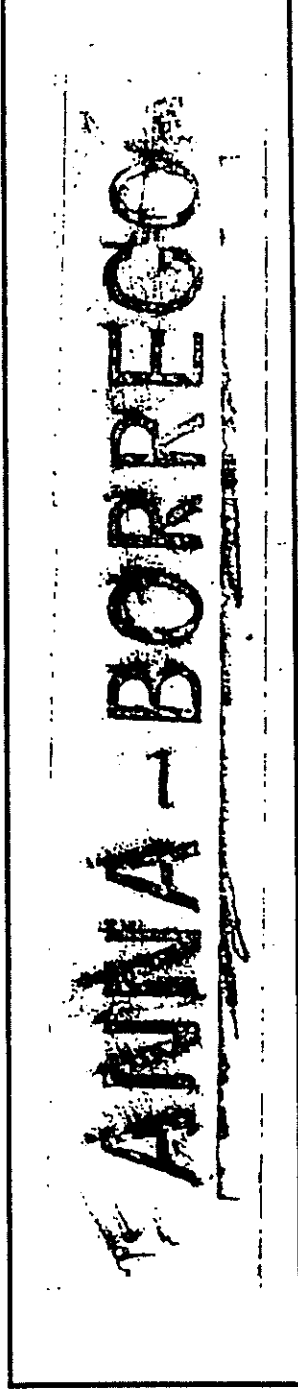


Anza-Borrego Desert State Park

The 600,000 acre Anza-Borrego Desert State Park is located about 2 hours by car east of San Diego (see map). The diversity of life and terrain makes it one of the richest living and geologic "museums" in the country. Although most of the information necessary to complete this "Adventure" can be found in your text and various reference books it is hoped you will actually visit the Visitor Center and the Park. Take Highway #67 to #78. At Santa Ysabel (Stop at Dudley's Bakery) turn left onto #79. Take S-2 and S-22 towards Borrego Springs and find the Visitor Center. The underground Visitor Center is located 1.7 miles west of Borrego Springs on Palm Canyon Drive. It is open daily from 9 AM to 5 AM, October through May and 10 AM to 3 PM, June through September.



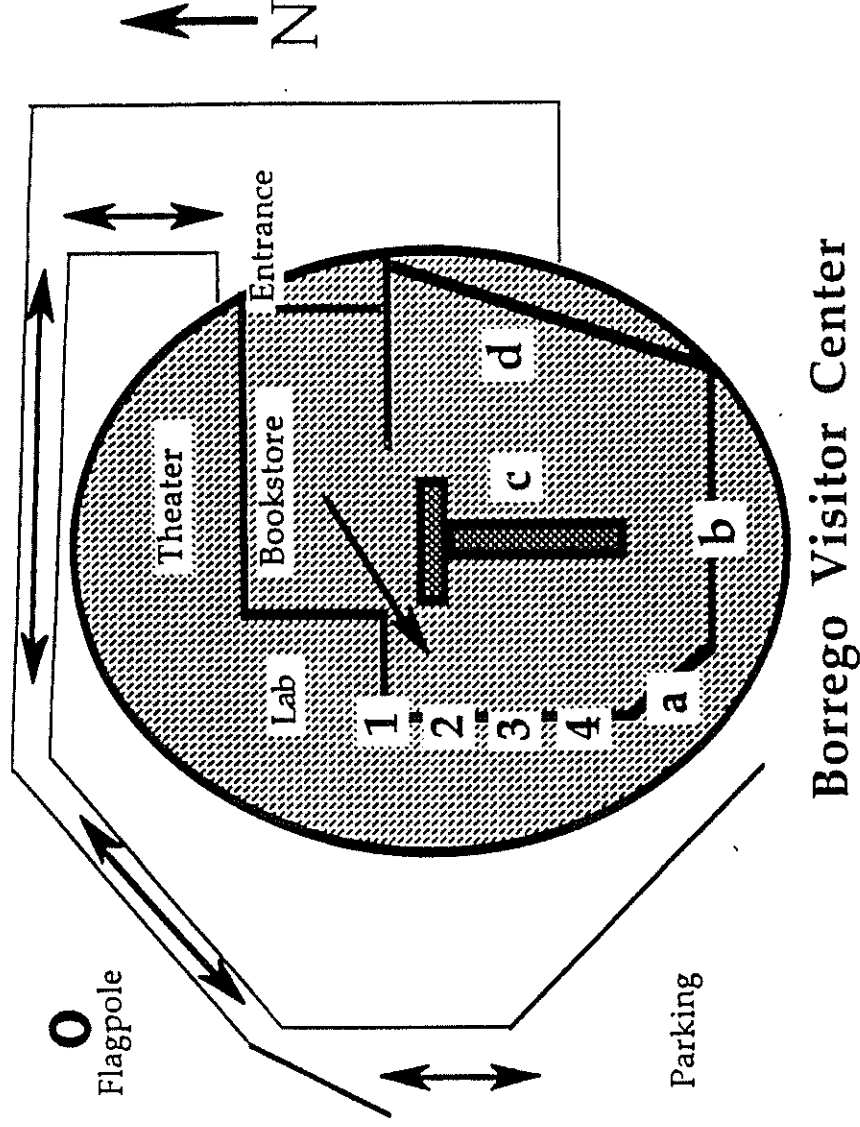
To prove you actually made the trip (some teachers give "extra credit" for this) find the flag pole and make a "rubbing" similar to that shown below. What is wrong with the "rubbing" as it's show here? _____.



THE "RUBBING" MADE AT THE VISITOR CENTER

MAKE YOUR 'RUBBING' HERE

FOLLOW THE TRAIL TO THE MAIN ENTRANCE. The numbers and the letters shown on the plan below show the general area referred to in this adventure. (NOTE: If you are doing this paper using reference books and materials you will not be able to answer some of these questions. However you will be expected to the "general" questions in even more detail than those who actually went to the Visitor Center. BESURE to include a bibliography at the end of this paper of the books and materials you used to complete this "activity.")



The Entrance:

What is the time and temperature? AM/PM F.
Notice the beautiful door handles. What is that animal and why is it used here? _____

(Pick up one of the free Borrego Newspapers... It's full of useful maps and information)

Enter the Visitor Center:

Look at all the great stuff for sale here! You can come back later and browse. Go left through the bookstore enter the museum. On your right is an exhibit called:

1. "*Why Desert?*" What does it say about desert formation and:¹

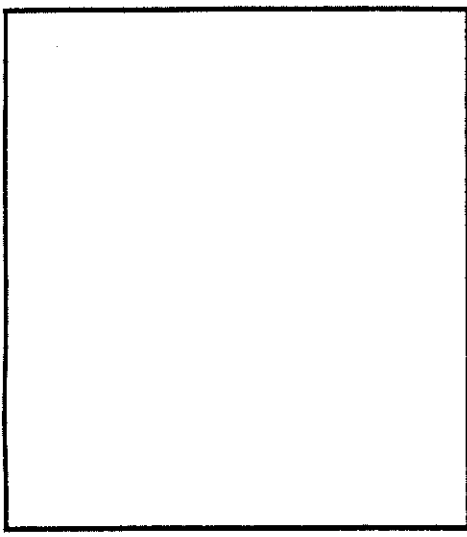
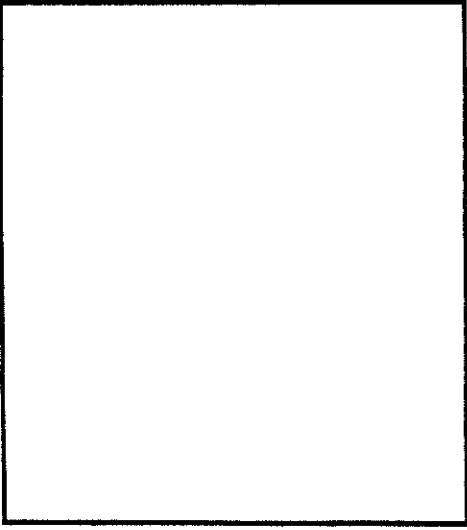
a. Global Air Masses

b. The Rain Shadow Effect (include diagrams)

¹ If you didn't actually go to the Museum you can still answer most of the following questions using your text and other references. Besure to include any references in the Bibliography.

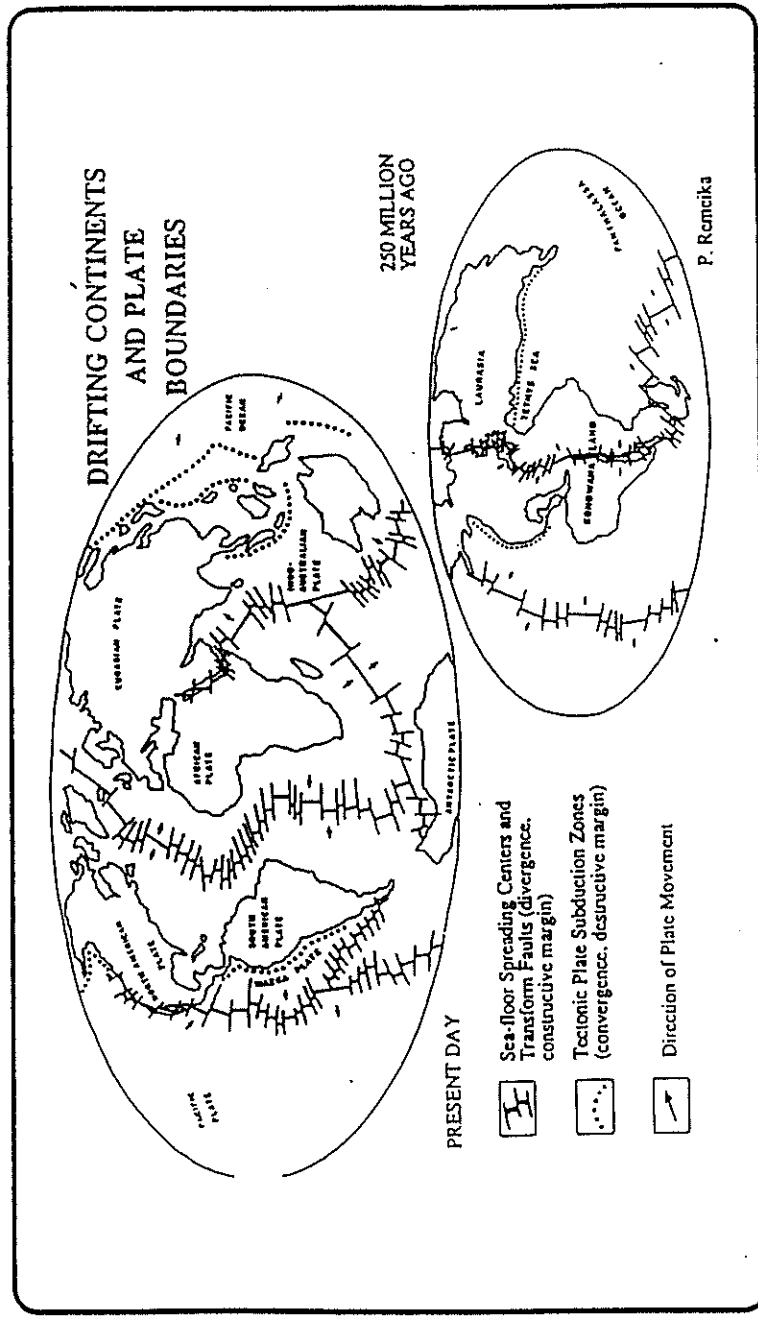
2. "Fault Finding" If you are at the museum describe and sketch 2 of the 6 fault photos snow and tell what it says about faults. If you are doing this from research books describe what "faults" are and sketch 2 examples.

a. Two "fault" sketches:



b. What about "faults?" (What are they, why are they important, name some local ones)

3. "Cracks to Continents" a. What does the below map show? _____



b. On the "PRESENT DAY" map above draw in the "Ring of Fire."

c. According to Geologists the part of California west of the San s Fault is moving North at a rate of about 2 inches per year. If this is true then Mount Helix will be 100 miles north of its present position in _____ years. (Let's see, there are 12 inches in a foot and 5280 feet in a mile so.....)

You can use this space to calculate

4. "Earthquake!" a. If you are at the Museum watch the videotape about the Earthquake of April 9, 19 at Fish Creek of the Split area. In the space below write a short description of what the video was about. b. If you are doing this paper using research books and materials use this space (add more paper if you need) to describe a recent earthquake in the Los Angeles, San Diego, or San Francisco area. Include area, strength, damage, date, etc.

5. AREAS a., b., c., and d. Whether or not you actually went to the Anza-Borrego Desert Museum or not you are to pick two of the following subjects and write about them. If you are at the Museum simply tell what the exhibits say and show. If you are doing this using reference and research books be sure to give credit in your Bibliography to show where you found your information. You may add extra sheets of paper if you need.

- a. "Climate, Microclimate, and Life"
- b. "Adaptions" (Five mechanisms of how plants and animals survive in the desert environment)
- c. "The Early People" (Desert Indians, how they lived and survived)
- d. "Use of the Desert" (Some history, past and present of how man uses the Borrego Desert)

BIBLIOGRAPHY

(Books used in preparing this Activity)

1. Kern, Philip, *Earthquakes and Faults in San Diego County*. The Pickle Press, San Diego, CA. 1989.
2. Ramsey, William L., et. al., *Earth Science*. Holt, Rinehart and Winston, Publishers, New York. 1986.
3. Remeika, Paul, and Lindsay, Lowell. *Geology of Anza-Borrego: Edge of Creation*. Sundbelt Publications, Inc., San Diego, CA 1992.

YOUR BIBLIOGRAPHY

(At least three, in proper form, if you did not actually go to Borrego)

- 1.
- 2.
- 3.

CONGRATULATIONS: Now ask a parent or guardian to look over your work and sign here to confirm that you really did all this work and deserve credit. _____